

## Datasheet Battery Energy Storage System



	BESS 250	BESS 500	BESS 750	BESS 1000	BESS 1500	BESS 2000	BESS 3000
Rated output power (kW)	250	500	750	1000	1500	2000	3000
Storage capacity (kWh)	250	500	750	1000	500	750	1000
Rated output current (A)	235	465	700	930	1395	1865	2795
Rated output frequency (Hz)*	50	50	50	50	50	50	50
Weight (kg)	7950	11900	15850	21500	12700	18950	23900
Container	20ft	20ft	20ft	40ft	20ft	40ft	40ft
Dimensions (WxDxH) in mm	W 2400	W 2400	W 2400	W 2400	W 2400	W 2400	W 2400
	D 6000	D 6000	D 6000	D 12200	D 6000	D 12200	D 12200
	H 2900	H 2900	H 2900	H 2900	H 2900	H 2900	H 2900
Battery Chemistry	Lithium-Ion						
Rated output voltage AC	620 V						
Power factor range	0.95 cap ... 0.95 ind						
Total harmonic distortion	< 3%						
Maximum efficiency	> 98%						
Principle	IGBT						
IGBT switching frequency (kHz)	2 ... 4 kHz						
Protection class	IP 54						
Temperature range	-20°C ... +50°C						
Cooling principle	liquid cooling						
Operating pressure cooling system	3 bar						
Main controller	Siemens Simotion P320-4						
Internal communication bus	Profinet						
External communication interfaces	Ethernet / TCP/IP						

\* data sheet for 60 Hz on request

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*We reserve the right to modify technical specifications without prior notice.*

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